

R E P O R T

ON THE

STATISTICS OF TELEGRAPHS AND TELEPHONES

IN THE

UNITED STATES.

BY

ARMIN E. SHUMAN,
EXPERT.

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LETTER OF TRANSMITTAL.

DEPARTMENT OF THE INTERIOR,
CENSUS OFFICE,
Washington, D. C., October 6, 1883.

Hon. C. W. SEATON,
Superintendent of Census.

SIR: I have the honor to submit herewith the statistics pertaining to the fiscal operations and general conditions of the telegraph and the telephone systems in the United States as they existed in the census year 1880. Accompanying are the detail tables, which form the body of the work.

Very respectfully,

ARMIN E. SHUMAN,
Expert.

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TELEGRAPHS.

REMARKS.

The general condition and fiscal operations of the telegraph system in the United States during the fiscal year ending nearest to June 1, 1880, according to the data collected from the telegraph companies then existing, are exhibited, in detail, for each corporation separately in the tables following.

The schedules sent out to telegraph companies called for the following classes of information:

First. A general financial exhibit for the year, including the total receipts from messages sent and from all other sources; all the expenditures for the working of the lines, such as salaries, general expenses, repairs, etc.; the net receipts from such operations; all charges against the net receipts, such as interest upon the funded and other debts and appropriations to sinking fund; the net income; the dividends declared upon stock, and the balance remaining.

Second. A balance-sheet, including the assets, composed of the franchise, cash, bills receivable, and accounts due to corporations, etc.; the liabilities, such as stock issued and paid in, the funded debt and the floating debt; and the profit and loss to credit.

Third. A description of the capital stock, that authorized by law or charter, and the amount issued for cash.

Fourth. A general service account, including a description of the lines, by miles of line and miles of wire, the number of stations or offices, and the number of principal terminal stations; the average number of persons employed during the year, the number of poles set during the year, and the average cost of poles delivered at distributing points.

The blank schedules requiring the above information were sent to either the owners, proprietors, or managers of every telegraph line known to exist in the United States, in accordance with section 17 of the act of Congress, entitled "An act to provide for taking the tenth and subsequent censuses", approved March 3, 1879.

The following is a copy of the general circular letter addressed to the officers of telegraph companies:

[Tenth Census of the United States.]

DEPARTMENT OF THE INTERIOR, CENSUS OFFICE,
Washington, D. C., —————, 1880.

SIR: The act of Congress approved March 3, 1879, makes it the duty of the Superintendent of Census to require and obtain certain information respecting the telegraph companies of the United States on the 1st day of June, 1880. In compliance with the requirements of that act a schedule of interrogatories has been prepared in this office, a copy of which is herewith inclosed.

For the purpose of compilation and tabulation it is considered absolutely necessary that the form prescribed for returns should be adhered to in every particular, literally and strictly. If, owing to differences in methods of keeping accounts, the officers of any telegraph company should find it impossible to give the details of the information required in exact accordance with the form of the schedule, careful and conscientious estimates may be substituted for amounts and values ascertained from actual accounts kept. When estimates are given, they should be so expressed in the schedule, and they should be based upon the best knowledge and belief of the returning officers.

Two envelopes addressed to the Superintendent of Census (upon which prepayment of postage is not required) are herewith inclosed. I will thank you to return to this office *at once* the appended form of receipt, properly filled, in the smaller envelope. In the larger please forward completed schedule within reasonable time after the close of your fiscal year.

Please accompany your return to this office with a printed copy (if you have it) of your annual report to stockholders.

Very respectfully,

FRANCIS A. WALKER,
Superintendent of Census.

TELEGRAPHS.

Reports were received from 77 telegraph companies, all of which are fully represented as regards the general service account. Of this number 40 have made reports of their assets and liabilities, but the balance (37), many of them of a petty character, omitted to do so for the following reasons, viz: 18 thereof are lines which are owned by railroad companies which included the value of their telegraph property with their assets reported for the railroad property; 7 omitted to give a reason for not furnishing these data; 4 made incomplete and unreliable reports, unfit to be considered in the tables; 3 are private concerns; and 2 are controlled by the Western Union Telegraph Company, which includes assets, etc., for these lines in its own report; 3 reported operations, but were not yet incorporated. The 40 companies which reported their assets and liabilities operate 104,526 out of the aggregate of 110,727 miles of telegraph line in the United States.

Regarding the general finances, all but 4 companies are represented, of which 2 lines are operated by the Western Union Telegraph Company, which includes the operations, etc., upon these lines in its report, 1 company whose line is not fully completed and not yet in regular operation, and 1 which failed to make such statement on account of lack of the proper records. The aggregate length of line of the 2 companies not appearing in this table is only 301 miles. Issued and paid-in stock (as liabilities) is reported by 40 companies, 31 of which stated the respective amounts authorized to be issued by law or charter and amounts issued for cash, while 9 omitted to give this information.

The number of messages transmitted during the year is reported by 50 operating companies; 17 companies, which had an aggregate amount of \$410,737.54 (or about 2 per cent. of total receipts of the whole system), as receipts from messages sent, had kept no regular record of the numbers forwarded, and therefore omitted to state these facts; 1, the "Gold and Stock" Company, does not have a message business, 2 are not yet fully operated, 4 are included in the Western Union Company's report, and 3 did not state the reasons for not complying.

In view of these facts, it becomes necessary to consider the aggregates of the general financial statements as approximate only; but as the tables include every company of any considerable importance, it may be presumed that the figures given represent very nearly the true or actual amounts.

The following table exhibits the aggregate receipts, expenses, etc., for the system:

RECEIPTS.

Item.	Amount.	Per cent.
From messages sent	\$13,512,116.17	80.93
From all other sources	3,184,507.21	19.07
Total	16,696,623.38	100.00

EXPENSES.

Item.	Amount.	Per cent. of receipts.
Salaries.....	\$4,886,128.14	29.26
General expenses	2,900,158.81	16.77
Repairs	1,045,880.11	6.26
All other expenses.....	1,486,113.94	8.90
Total expenses.....	10,218,281.00	61.20
Less expenses of some companies over receipts.....	95,500.66	0.57
	10,122,780.34	60.63
Net earnings reported	6,573,843.04	39.37

The foregoing table shows that the total receipts from all sources amount to \$16,696,623.38, of which 80.93 per cent. were derived from messages transmitted; the balance, 19.07 per cent., from other sources not connected with the regular operations, including interest upon bonds and dividends upon stock of other corporations held, etc.

The total expenditures aggregate \$10,218,281, or 61.19 per cent. of the aggregate receipts, and include 29.27 per cent. paid out on salaries and wages, 16.77 per cent. for general expenses necessary for working the lines, 6.26 per cent. for repairs of lines and buildings, and 8.90 per cent. for contingent outlays.

These expenses include \$95,500.66 as paid by companies over their gross receipts, which, when deducted, leave \$10,122,780.34 as the total expenditures of the companies having net earnings, and this amount deducted from their gross income leaves \$6,573,843.04, or 39.37 per cent. of total receipts, as net income for the whole system.

TELEGRAPHS.

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The dispositions made with these net receipts or earnings were as follows:

Net receipts	\$6,573,843 04
Deduct fixed charges, etc	604,341 27
Net income	5,969,501 77
Dividends declared	\$4,136,749 75
Deduct amount declared by companies having no net income	219 80
	4,136,529 95
Balance remaining	1,832,971 82
Total balance reported	1,832,971 82
Deduct deficits of some companies:	
Expenses over gross receipts	95,500 66
Dividends declared over net income	219 80
	95,720 46
Actual surplus for whole system	1,737,251 36

DEFICITS.

Thirteen companies report deficits, caused by the excess of their expenses over their gross receipts, of \$95,500 66. Two companies report deficiencies, caused by declaring dividends when they had no net income, of \$219 80. Fifteen companies have therefore deficiencies amounting to \$95,720 46. This amount deducted from the total surplus or balance reported by the other companies, \$1,832,971 82, will leave the actual balance for the whole system \$1,737,251 36.

BALANCE-SHEET.

ASSETS.		LIABILITIES.	
Item.	Amount.	Item.	Amount.
Franchise (including construction)*	\$93,062,921 74	Capital stock issued	\$67,901,255 10
Cash	1,087,795 89	Funded debt	8,167,402 78
Bills receivable	170,260 78	Floating debt	1,201,671 72
Accounts	2,902,652 10	Profit and loss account	19,962,220 00
Total	97,232,639 60	Total	97,232,639 60

* The value of telegraph lines which belong to railroad companies is not included herein, being reported by the railroad companies among their own assets.

The above table shows the assets to aggregate \$97,232,639 60, of which nearly 96 per cent. represents franchise and construction cost. Of the liabilities, nearly 70 per cent. are represented by capital stock, over 8 per cent. by the funded debt, and over 1 per cent. by the floating debt. The profit and loss to credit, representing accumulated and undivided income either of previous years or of the fiscal year reported, amounts to \$19,962,220, or over 20 per cent. of total liabilities.

Appropriations to the sinking fund, amounting to some \$40,000, were reported, together with interest paid as charges against the net receipts, instead of being included in the amount of net income. This is erroneous, as appropriations to the sinking fund are not expenditures, to be charged against gross receipts, but from funds appropriated from the clear profits obtained, just as much as the dividends. The sinking-fund account should be kept separate from the general receipts and expenditures of operations.

EMPLOYÉS.

General officers	172
General office clerks	165
Operators	9,661
Messengers	2,469
Line-repairers and all others	2,461
Total	14,928

The total amount reported as expenditures upon salaries, wages, etc., is \$4,886,128 14, which gives an average of \$327 31 for every employé per annum.

TELEGRAPHS.

STATIONS AND OFFICES.

Stations and offices.....	12,510
Principal and terminal stations.....	205
Western Union reports from all principal cities	54

LINES.

	Miles.
Length of lines.....	110,727
Length of wire.....	291,213
Poles set during year.....	248,348

MESSAGES TRANSMITTED.

For the press.....	3,154,398
For all other parties.....	28,548,783
Total.....	31,703,181

The total amount reported as received from the transmittal of messages is \$13,512,116 17, which would allow an average receipt per message of every description of over 42 cents.

On account of the transcendent importance of a single company, the Western Union, among the companies forming the telegraph system of the United States, the following comparison between the statistics of that company and the aggregate of all other lines is deemed appropriate and desirable:

INCOME ACCOUNT.

Company.	Gross receipts.	EXPENDITURES.					Balance.
		Operating expenses.	Interest on debt.	Appropriations to sinking fund.	Dividends on stock.	Total.	
Western Union	\$12,782,894 53	\$7,636,255 08	\$428,516 93	\$40,000 20	\$3,280,276 25	\$11,385,048 46	\$1,397,846 07
	{ 76.56 per cent.	{ 74.73 per cent.	{ 75.93 per cent.	{ 100 per cent.	{ 79.20 per cent.	{ 76.11 per cent.	{ 80.46 per cent.
All other companies.....	3,913,728 85	2,582,025 02	135,824 14	-----	856,473 50	3,574,323 56	*330,405 29
	{ 23.44 per cent.	{ 25.27 per cent.	{ 24.07 per cent.	{ -----	{ 20.71 per cent.	{ 23.89 per cent.	{ 19.54 per cent.
Total	16,696,623 38	10,218,281 00	564,341 07	40,000 20	4,136,749 75	14,959,372 02	1,737,251 36
	{ 100 per cent.	{ 100 per cent.	{ 100 per cent.	{ 100 per cent.	{ 100 per cent.	{ 100 per cent.	{ 100 per cent.

* Fifteen companies show a total deficit of \$95,720 46, which is here deducted from the balance of \$435,125 75, reported by the companies having made profits.

RECEIPTS AND EXPENSES.

Company.	RECEIPTS.			EXPENSES.				Net receipts.
	From messages.	From all other sources.	Total.	Salaries.	General expenses.	Repairs.	All other expenses.	
Western Union	\$12,000,000 00	\$782,894 53	\$12,782,894 53	\$4,000,000 00	\$1,802,466 35	\$817,364 60	\$1,016,424 13	\$7,636,255 08
	{ 88.81 per ct.	{ 24.59 per ct.	{ 76.56 per ct.	{ 81.86 per ct.	{ 64.37 per ct.	{ 78.15 per ct.	{ 68.39 per ct.	{ 55,140,630 45
All other companies.....	1,512,116 17	2,401,612 68	3,913,728 85	886,128 14	997,692 46	228,515 51	469,689 81	*1,331,702 93
	{ 11.19 per ct.	{ 75.41 per ct.	{ 23.44 per ct.	{ 18.14 per ct.	{ 35.63 per ct.	{ 21.85 per ct.	{ 31.61 per ct.	{ 20.56 per ct.
Total	13,512,116 17	3,184,507 21	16,696,623 38	4,886,128 14	2,800,158 81	1,045,880 11	1,486,113 94	1,737,251 36
	{ 100 per ct.	{ 100 per ct.	{ 100 per ct.	{ 100 per ct.	{ 100 per ct.	{ 100 per ct.	{ 100 per ct.	{ 100 per ct.

* Total amount of receipts reported by some companies, \$1,427,203 59; less deficits reported by others, \$95,500 66.

TELEGRAPHS.

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BALANCE-SHEET.

ASSETS.

Liabilities to balance.

	Amount.	Per cent.
Western Union.....	\$65,646,592 26	67.51
All other companies.....	31,586,047 34	32.49
	97,232,639 60	100.00

CAPITAL STOCK ISSUED.

	Shares.	Amount.	Per cent.
Western Union	410,734	\$41,073,410	61.74
All other companies.....	428,400	25,455,790	38.26

EMPLOYÉS.

*	Western Union.	Per cent.	All other companies.	Per cent.
General officers	13	.....	159	.....
Office clerks	100	.....	65	.....
Operators	7,000	.....	2,661	.....
Messengers	2,000	.....	469	.....
Line-repairers and all others	1,487	.....	974	.....
Total	10,600	71.01	4,328	28.99
		<i>Miles.</i>	<i>Miles.</i>	
Length of lines.....	85,045	77.85	25,082	22.65
Length of wire.....	233,534	80.19	57,670	19.81
Stations or offices	9,077	72.56	3,433	27.44
Principal terminal stations	*54	.....	205	.....
Number of poles set during year.....	168,056	67.67	80,292	32.33
Number of messages sent	20,215,509	92.15	2,487,672	7.85

* All principal cities.

TELEGRAPHHS.

TABLE I.—GENERAL FINANCIAL EXHIBIT: 1880.

Name of company.	Date of close of fiscal year.	RECEIPTS.			EXPENSES		
		From messages sent.	From other sources.	Total.	Salaries.	General ex- penses.	Repairs.
Total .....	.....	\$13,512,116 17	\$3,184,507 21	\$16,696,623 38	\$4,886,128 14	\$2,800,158 81	\$1,045,880 11
1 Alabama and Great Southern	May 31, 1880	3,059 79	.....	3,059 79	.....	3,773 83	1,860 47
2 Altamaha	Apr. 1, 1880	1,860 00	.....	1,860 00	1,320 00	60 00	60 00
3 American Rapid (b)	Juno 1, 1880	.....	.....	.....	.....	.....	.....
4 Atlantic and Pacific	Dec. 31, 1879	432,900 54	998,702 32	1,431,603 06	292,705 99	593,918 55	70,170 89
5 Ashtabula and Pittsburgh	May 31, 1880	541 08	.....	541 08	3,109 28	188 20	267 00
6 American	Dec. 31, 1879	1,582 02	.....	1,582 02	786 15	.....	244 57
7 Baltimore and Ohio	Sept. 30, 1880	.....	90,173 15	90,173 15	125,086 24	9,083 08	27,887 91
8 Burlington and Missouri River	Dec. 31, 1879	11,158 35	.....	11,158 35	.....	10,790 61	.....
9 Bryant's Pond and Andover	Oct. 18, 1880	79 67	.....	79 67	.....	79 67	.....
10 Bar Harbor and Mount Desert	—, 1880	2,262 66	.....	2,262 66	451 00	31 26	50 84
11 Bayou Sara and Woodville	Sept. 1, 1880	973 66	1,144 53	2,118 19	1,200 00	124 00	150 00
12 Columbia and Greenville	Dec. 31, 1879	2,980 96	1,450 42	4,431 38	.....	6,705 86	.....
13 Central District and Printing	Apr. 30, 1880	.....	58,697 48	58,697 48	2,850 00	34,723 35	4,500 50
14 Cincinnati and Eastern	June 1, 1880	1,081 41	7 77	1,089 18	60 00	89 83	.....
15 Chester and Derry	Aug. 1, 1880	70 00	.....	70 00	10 00	5 00	5 00
16 Connecticut River	May 31, 1880	5,000 00	.....	5,000 00	3,600 00	500 00	300 00
17 Colusa Lake and Mendocino	Jan. 31, 1880	4,564 00	130 00	4,694 00	1,588 00	687 00	682 00
18 Camden	June 30, 1880	900 00	.....	900 00	25 00	25 00	150 00
19 Deseret	Dec. 31, 1879	28,540 43	1,293 88	29,843 31	17,820 67	4,604 32	4,975 04
20 Ellsworth and Deer Island	June 30, 1880	2,446 00	120 00	2,566 09	416 50	1,509 52	.....
21 Ellsworth and Fremont .....	.....	362 78	90 00	452 78	220 00	25 00	12 00
22 Fayetteville and Lumberton	Dec. —, 1879	1,386 02	.....	1,386 02	701 20	.....	72 25
23 Fountain City and Alma .....	.....	900 00	.....	900 00	600 00	50 00	.....
24 Frontier (c)	Oct. 31, 1880	3,109 98	.....	3,109 98	1,420 23	175 18	105 45
25 Georgetown and Kingston (d)	—, 1880	.....	.....	.....	.....	.....	.....
26 Huntingdon and Broad Top Mountain	Dec. 31, 1879	359 77	.....	359 77	2,482 68	119 72	33 47
27 Harrington and Jonesport	July 31, 1880	255 75	.....	255 75	127 87	48 18	5 75
28 Homer and Minden	June 1, 1880	843 00	.....	843 00	120 00	.....	57 00
29 International Ocean	June 31, 1880	318,309 02	5,787 55	324,097 47	38,758 12	12,401 64	17,089 91
30 Little Rock and Fort Smith	Dec. 31, 1880	6,165 23	.....	6,165 23	4,721 50	.....	605 09
31 Lehigh	Dec. 31, 1880	2,774 00	8,013 60	10,787 60	642 20	645 51	48 25
32 Lake Mohonk	Dec. 31, 1879	420 00	.....	420 00	100 00	94 00	.....
33 Lake Superior and Mineral Range	Dec. 31, 1880	4,657 01	637 76	5,294 77	1,940 00	547 42	466 80
34 Montezuma	Apr. 30, 1880	1,296 77	.....	1,296 77	763 98	126 64	60 15
35 Middletown	Jan. 1, 1880	95 35	.....	95 35	36 00	19 37	16 98
36 Mineral Point and Dodgeville	May 31, 1880	195 00	74 00	269 00	250 00	5 00	8 00
37 Montana Central	July 10, 1880	6,233 48	900 00	7,133 48	2,100 00	420 00	230 00
38 Marine	Aug. 1, 1880	258 67	.....	258 67	64 67	5 00	.....
39 Millbridge and Cherryfield	Dec. 31, 1879	267 16	.....	267 16	146 94	.....	47 57
40 Northwestern	Dec. 31, 1879	350,806 30	13,822 76	373,620 15	86,976 08	133,760 28	15,056 82
41 Northwestern Ohio	May 31, 1880	918 47	.....	918 47	6,246 23	261 11	540 00
42 Paducah and Elizabethtown	July 31, 1880	1,765 74	.....	1,765 74	2,933 54	266 06	1,229 37
43 Providence and Pascoag	June 30, 1880	645 00	1,055 00	1,700 00	900 00	232 00	105 50
44 Pensacola	July 31, 1880	4,233 98	.....	4,233 98	2,880 00	540 02	250 09
45 Philadelphia Local	Feb. —, 1880	161,012 28	62,761 51	223,779 79	52,083 40	145,500 18	6,875 45
46 Philadelphia, Reading, and Pottsville	Nov. 30, 1880	60,934 35	16,881 34	77,315 69	27,695 37	6,424 53	18,946 85
47 Pee Dee	Sept. 30, 1880	1,047 37	.....	1,047 37	548 63	46 13	128 17
48 Poughkeepsie, Hartford, and Boston	Oct. 1, 1880	85 23	.....	85 23	.....	.....	.....
49 Rumford Falls and Buckfield	May 31, 1880	228 51	.....	228 51	39 31	.....	36 50
50 Vermont International	Dec. 31, 1879	1,220 85	1,450 61	2,671 46	485 99	406 49	616 24
51 Waterville	Apr. 1, 1880	97 50	.....	97 50	.....	5 48	22 11
52 Western Union	June 30, 1880	12,000,000 00	782,894 53	12,782,894 53	4,000,000 00	1,802,466 35	817,364 60
53 Worcester and Nashua (e)	Sept. 30, 1880	.....	.....	.....	.....	.....	.....
54 Pacific and Atlantic (f) .....	.....	.....	80,000 00	80,000 00	.....	.....	.....
55 Michigan (e)	June 30, 1880	12,137 43	441 40	12,578 83	.....	1,066 21	.....

^a Includes \$210 80 of some companies whose expenses are greater than receipts.^b Lines not in operation.^c Six months.^d Company does not make any financial report.

TELEGRAPHS.

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TABLE I.—GENERAL FINANCIAL EXHIBIT: 1880.

EXPENSES—continued.		Net receipts.	CHARGES.			Net income.	DIVIDENDS DECLARED.		BALANCE FOR THE YEAR.	
All other ex-penses.	Total.		Interest paid on debt.	Sinking-fund appropriation.	Total.		Amount.	Per cent.	Surplus.	Deficit.
\$1,486,113.94	a \$10,218,281.00	\$6,573,843.04	\$564,341.07	\$40,000.20	\$604,341.27	\$5,969,501.77	\$4,136,749.75	.....	\$1,832,971.82	\$95,720.46
236.08	5,870.38	.....	.....	.....	.....	420.00	.....	.....	420.00	2,810.50 1
.....	1,440.00	420.00	.....	.....	.....	.....	.....	.....	420.00	2
8,740.50	904,935.93	526,667.13	.....	.....	.....	526,667.13	455,000.00	34	71,667.13	4
.....	3,564.48	.....	.....	.....	.....	.....	.....	.....	3,023.40	5
143.73	1,174.45	407.57	.....	.....	.....	407.57	421.50	3	.....	13.93 6
.....	161,557.23	.....	.....	.....	.....	.....	.....	.....	71,284.08	7
.....	10,790.61	307.74	.....	.....	.....	307.74	.....	.....	307.74	8
.....	79.67	.....	.....	.....	.....	.....	.....	.....	.....	9
132.36	665.46	1,597.20	.....	.....	.....	1,597.20	.....	.....	1,597.20	10
.....	1,474.00	644.19	.....	.....	.....	644.19	.....	.....	644.19	11
.....	6,705.86	.....	.....	.....	.....	.....	.....	.....	2,274.48	12
7,208.93	40,282.78	9,414.70	.....	.....	.....	9,414.70	8,500.00	11½	914.70	13
475.71	625.54	463.64	.....	.....	.....	463.64	297.00	9	166.64	14
.....	20.00	50.00	.....	.....	.....	50.00	45.00	10	5.00	15
.....	4,300.00	700.00	.....	.....	.....	700.00	.....	.....	700.00	16
760.00	3,717.00	977.00	.....	.....	.....	977.00	.....	.....	977.00	17
.....	200.00	700.00	.....	.....	.....	700.00	.....	.....	700.00	18
965.80	27,956.33	1,886.98	.....	.....	.....	1,886.98	.....	.....	1,886.98	19
.....	1,926.02	640.07	.....	.....	.....	640.07	.....	.....	640.07	20
.....	257.00	105.78	.....	.....	.....	105.78	160.00	5	35.78	21
482.57	1,256.02	130.00	.....	.....	.....	130.00	130.00	10	.....	22
.....	650.00	250.00	.....	.....	.....	250.00	.....	.....	250.00	23
.....	1,700.86	1,400.12	49.50	.....	49.50	1,350.62	.....	.....	1,350.62	24
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	25
.....	2,635.87	.....	.....	.....	.....	.....	.....	.....	2,276.10	26
.....	181.80	73.95	.....	.....	.....	73.95	.....	.....	73.95	27
85.00	202.00	581.00	.....	.....	.....	581.00	.....	.....	581.00	28
36,683.07	104,932.74	219,164.73	462.00	.....	462.00	218,702.73	112,216.00	8	106,486.73	29
281.08	5,009.57	556.66	.....	.....	.....	556.66	.....	.....	556.66	30
497.59	1,833.55	8,954.14	.....	.....	.....	8,954.14	1,000.00	5	7,954.14	31
.....	194.00	235.00	.....	.....	.....	235.00	.....	.....	235.00	32
.....	2,054.22	2,340.55	.....	.....	.....	2,340.55	1,400.00	.....	940.55	33
2.55	953.32	343.45	.....	.....	.....	343.45	284.00	6	59.45	34
.....	72.35	23.00	.....	.....	.....	23.00	.....	.....	23.00	35
6.00	269.00	.....	.....	.....	.....	.....	.....	.....	.....	36
200.00	2,970.00	4,163.48	.....	.....	.....	4,163.48	.....	.....	4,163.48	37
120.34	199.01	59.66	.....	.....	.....	59.66	.....	.....	59.66	38
.....	194.51	72.65	.....	.....	.....	72.65	.....	.....	72.65	39
1,230.45	237,932.63	135,696.52	88,252.50	.....	88,252.50	47,444.02	31,250.00	2½	16,194.02	40
.....	7,047.34	.....	.....	.....	.....	.....	.....	.....	.....	6,128.87 41
.....	4,428.97	.....	.....	.....	.....	.....	.....	.....	.....	2,663.23 42
.....	1,297.50	462.50	.....	.....	.....	462.50	150.00	3	312.50	43
.....	3,070.11	563.87	.....	.....	.....	563.87	.....	.....	563.87	44
4,281.82	208,830.85	14,942.94	.....	.....	.....	14,942.94	14,000.00	3½	942.94	45
3,088.29	56,155.04	21,160.65	12,000.00	.....	12,000.00	9,160.65	.....	.....	9,160.65	46
50.40	773.33	274.04	.....	.....	.....	274.04	.....	.....	274.04	47
.....	85.23	.....	.....	.....	.....	85.23	.....	.....	85.23	48
590.44	666.25	.....	.....	.....	.....	.....	.....	.....	.....	437.74 49
.....	1,508.72	1,162.74	67.14	.....	67.14	1,095.60	.....	.....	1,095.60	50
13.89	41.48	56.02	.....	.....	.....	56.02	20.00	20	36.02	51
1,016,424.13	7,636,255.08	5,146,639.45	428,516.93	40,000.20	468,517.13	4,078,122.32	3,280,276.25	8	1,397,846.07	52
.....	80,000.00	.....	.....	.....	.....	80,000.00	80,000.00	4	.....	53
.....	1,066.21	11,512.62	.....	.....	.....	11,512.62	.....	.....	11,512.62	54
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	55

e Leased and operated by the Western Union.

f Entire property leased to, and entire expense of maintenance paid by, the Western Union Company. Line merged in and included in the report of Western Union Company.

TELEGRAPHHS.

TABLE I.—GENERAL FINANCIAL EXHIBIT: 1880—Continued.

	Name of company.	Date of close of fiscal year.	RECEIPTS.			EXPENSES.		
			From messages sent.	From other sources.	Total.	Salaries.	General ex- penses.	Repairs.
56	Delaware River (a)	Dec. 31, 1880	.....	\$3,000 00	\$3,000 00	\$500 00	\$863 54	.....
57	Central Pacific (a)	Dec. 31, 1879	.....	.....	.....	.....	.....	.....
58	Northern New Hampshire (a)	Dec. 31, 1879	\$1,000 00	.....	1,000 00	20 00	4 96	.....
59	Rodney and Fayette (b)	June 30, 1880	1,203 76	.....	1,203 76	780 00	39 44	\$86 00
60	Gold and Stock	June 30, 1880	.....	1,055,379 81	1,055,379 81	238,406 40	12,149 46	47,623 07
61	Attakapas (b)	Sept. 30, 1880	4,689 90	.....	4,689 90	3,099 09	158 75	130 50
62	Wilkesbarre and Harvey's Lake (b)	July 1, 1880	150 00	.....	150 00	.....	100 00	25 00
63	Union Springs and Troy (b)	—, 1880	2,104 08	.....	2,104 08	967 50	126 95	94 35
64	Rising Sun (b)	Sept. 30, 1880	346 31	.....	346 31	60 00	.....	25 00
65	Taylorville and Susanville (b)	July 1, 1880	200 48	.....	200 48	.....	.....	100 00
66	Glen's Falls and Lake George (b)	July 1, 1880	44 00	.....	44 00	70 00	.....	.....
67	Oregon Steam Navigation (b)	Mar. 31, 1880	14,522 65	.....	14,522 65	9,750 00	.....	2,527 66
68	Continental, Columbia, S. C. (c)	Dec. 31, 1879	4,431 38	.....	4,431 38	4,736 45	.....	1,960 41
69	Richmond, York River, and Chesapeake (c)	Sept. 30, 1880	484 97	.....	484 97	1,100 00	.....	1,252 00
70	Cairo and Saint Louis (c)	Dec. 31, 1879	1,964 14	.....	1,964 14	.....	1,589 90	.....
71	Cumberland and Pennsylvania (c)	Dec. 31, 1880	1,724 28	.....	1,724 28	.....	211 63	.....
72	McKean and Buffalo (c)	June 1, 1880	268 87	.....	268 87	.....	319 80	.....
73	Rhinebeck and Connecticut River (c)	Sept. 30, 1880	159 55	.....	159 55	.....	188 00	140 48
74	Detroit and Lansing (c)	Dec. 31, 1879	10,020 90	.....	10,020 90	.....	.....	.....
75	Northern New York (d)	Sept. 30, 1880	478 18	.....	478 18	68 47	99 79	152 05
76	Black Diamond (d)	May 31, 1880	36 00	.....	36 00	.....	.....	.....
77	Cheyenne and Black Hills (d)	Nov. 30, 1880	16,842 57	.....	16,842 57	148 46	12,169 51	.....

^a Leased and operated by the Western Union.^b Owned and operated by private individuals.^c Owned or operated by railroads.^d Not incorporated.

TELEGRAPHS.

TABLE I.—GENERAL FINANCIAL EXHIBIT: 1880—Continued.

EXPENSES—continued.		Net receipts.	CHARGES.			Net income.	DIVIDENDS DECLARED.		BALANCE FOR THE YEAR.	
All other ex- penses.	Total.		Interest paid on debts.	Sinking-fund appropriation.	Total.		Amount.	Per cent.	Surplus.	Deficit.
\$242 33	\$1,605 87	\$1,394 13				\$1,394 13	\$1,600 00	4		\$205 87
	24 98	975 04				975 04				56
10 32	915 76	288 00				288 00				57
402,893 86	701,072 79	354,307 02	\$34,993 00		\$34,993 00	319,314 02	150,000 00	6	169,314 02	58
108 00	3,496 34	1,193 56				1,193 56				59
25 00	150 00								1,193 56	60
	1,188 80	915 28				915 28				61
	85 00	261 31				261 31				62
	100 00	100 48				100 48				63
	70 00								100 48	64
	12,277 66	2,244 99				2,244 99				65
	6,705 86								2,244 99	66
114 80	2,466 80								2,274 48	67
	1,589 90	374 24				374 24				68
	211 63	1,512 65				1,512 65				69
	319 80								1,981 83	70
	928 48								374 24	71
		10,020 90				10,020 90				72
	320 31	157 87				157 87				73
		36 00				36 00				74
	12,317 97	4,024 60				4,024 60				75
									36 00	76
									4,024 60	77

TELEGRAPHHS

TABLE I.—GENERAL FINANCIAL EXHIBIT: 1880—Continued.

NOTE.—The railroad companies owning telegraph lines have reported their receipts, expenses, and general financial statements; but the assets,

Name of company.	BALANCE-SHEET.				
	ASSETS.				
	Franchise.	Cash.	Bills receivable.	Accounts receivable.	Total.
Total	\$93,062,921 74	\$1,087,795 89	\$179,269 78	\$2,902,652 19	\$97,232,639 60
1 Alabama and Great Southern (a)					
2 Altamaha (b)					
3 American Rapid	3,091,194 32	15,040 97			3,106,235 29
4 Atlantic and Pacific	15,062,012 07	76,504 58	1,954 91	265,635 26	15,406,106 82
5 Ashtabula and Pittsburgh (a)					
6 American	14,050 00				14,050 00
7 Baltimore and Ohio (a)					
8 Burlington and Missouri River (a)					
9 Bryant's Pond and Andover (c)					
10 Bar Harbor and Mount Desert (d)					
11 Bayou Sara and Woodville (b)					
12 Columbia and Greenville (a)					
13 Central District and Printing	500,000 00	914 70			500,914 70
14 Cincinnati and Eastern		218 57		4,400 65	4,709 22
15 Chester and Derry (b)					
16 Connecticut River	16,000 00	700 00			16,700 00
17 Colusa Lake and Mendocino	25,056 00	302 00		898 00	26,256 00
18 Camden (b)					
19 Deseret	290,360 46	2,646 59	957 89	1,077 14	295,042 08
20 Ellsworth and Deer Island	6,000 00				6,000 00
21 Ellsworth and Fremont (d)					
22 Fayetteville and Lumberton		1,300 00			1,300 00
23 Fountain City and Alma (b)					
24 Frontier (e)	18,037 15	75 35			18,112 50
25 Georgetown and Kingston (d)					
26 Huntingdon and Broad Top Mountain (a)					
27 Harrington and Jonesport	2,240 00				2,240 00
28 Homer and Minden (b)					
29 International Ocean	2,137,117 88	3,241 11		251,057 04	2,391,416 03
30 Little Rock and Fort Smith (a)					
31 Lehigh	16,879 00	1,100 17			17,979 17
32 Lake Mohonk		2,350 00			2,350 00
33 Lake Superior and Mineral Range	f 10,558 38	625 78		8,938 36	20,122 52
34 Montezuma	4,603 30	43 23	g 50 50	92 04	4,789 07
35 Middletown	1,000 00				1,000 00
36 Mineral Point and Dodgeville	500 00	*			500 00
37 Montana Central (b)					
38 Marine	h 800 00	59 66			359 66
39 Millbridge and Cherryfield	1,000 00				1,000 00
40 Northwestern	1,500,000 00			i 940,000 00	2,440,000 60
41 Northwestern Ohio (a)					
42 Paducah and Elizabethtown (a)					
43 Providence and Pascoag	5,000 00	312 50			5,312 50
44 Pensacola	8,000 00				8,000 00
45 Philadelphia Local	409,881 21	179 87	12,281 85		422,291 93
46 Philadelphia, Reading, and Pottsville	235,152 68	9,917 08	k 5,098 16	9,172 77	259,340 63
47 Pee Dee	2,177 18	5 23			2,182 41
48 Poughkeepsie, Hartford, and Boston (b)					
49 Rumford Falls and Buckfield (b)					
50 Vermont International	14,859 99	1,395 90	1482 61	133 18	16,871 63

a Owned and operated by railroad company.

b No report.

c Not incorporated.

d Report incomplete.

e Six months.

TELEGRAPHHS.

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TABLE I.—GENERAL FINANCIAL EXHIBIT: 1880—Continued.

liabilities, etc., of such companies, being included with their railroad accounts, do not therefore appear, nor are they included in this report.

BALANCE-SHEET—Continued.					CAPITAL STOCK.			
LIABILITIES.					AUTHORIZED BY LAW OR CHARTER.		ISSUED FOR CASH.	
Capital stock.	Funded debt.	Other debt.	Profit and loss.	Total.	Number of shares.	Amount.	Number of shares.	Amount.
\$67,901,255 10	\$8,167,492 78	\$1,201,671 72	\$19,962,220 00	\$97,232,639 60	968,621	\$75,907,250	839,143	\$66,529,200
3,000,000 00	1,235 29	105,000 00	8,106,235 29	100,000	10,000,000	30,000	3,000,000	
15,000,000 00	42,602 98	363,503 84	15,406,106 82	150,000	15,000,000	140,000	14,000,000	
14,050 00			14,050 00	1,000	25,000	562	14,050	
500,000 00		914 70	500,914 70	5,000	500,000	5,000	500,000	
4,500 00		209 22	4,709 22	100	10,000	45	4,500	
18,000 00		700 00	16,700 00	640	16,000	640	16,000	
25,056 00	1,200 00		26,256 00	1,000	25,000			
277,888 20		17,153 88	295,042 08	5,000	500,000			
6,000 00			6,000 00	240	6,000	218	5,450	
1,300 00			1,300 00	26	1,300	26	1,300	
10,000 00	1,275 27	1,887 23	13,112 50	100	10,000	100	10,000	
				4,000	4,000	110	110	
2,240 00			2,240 00	28	2,240			
1,500,000 00	5,117 15	84,994 10	801,304 78	2,301,416 03	15,000	1,500,000	15,000	1,500,000
15,980 00		994 69	1,004 48	17,979 17				
2,350 00				2,350 00	80	3,000	28	2,350
10,558 38			9,564 14	20,122 52	20,000	20,000	7,000	7,000
4,700 00		30 42	58 65	4,789 07	50	5,000	47	4,700
1,000 00				1,000 00	100	1,000	100	1,000
500 00				500 00	50	500	29	200
800 00			59 66	359 66	60	300	60	300
1,000 00				1,000 00	200	1,000		
1,250,000 00	j 1,199,000 00			2,449,000 00	30,000	1,500,000	25,000	1,250,000
5,000 00			312 50	5,312 50	500	50,000	50	5,000
5,000 00			3,000 00	8,000 00	50	5,000	50	5,000
400,000 00	7,348 99		14,942 94	422,291 98	16,000	400,000	16,000	400,000
20,000 00	200,000 00	39,340 69		259,340 69	1,000	50,000	400	20,000
1,640 00	268 37		274 04	2,182 41	500	5,000	164	1,640
16,000 00		259 72	611 91	16,871 63	160	18,000	160	16,000

f Cost of line.*g* Supplies.*h* Value of line.*i* Value.*j* Bonds.*k* Material.*l* Stock.

TELEGRAPHS.

TABLE I.—GENERAL FINANCIAL EXHIBIT: 1880—Continued.

Name of company.	BALANCE SHEET.				
	ASSETS.				
	Franchise.	Cash.	Bills receivable.	Accounts receivable.	Total.
51 Waterville.....	\$100 00	\$36 02	.....	.....	\$136 02
52 Western Union	68,520,588 50	959,770 91	\$158,078 36	\$1,008,204 49	65,646,592 26
53 Worcester and Nashua (a).....	.....	.....	.....	.....	.....
54 Pacific and Atlantic	2,000,000 00	.....	.....	.....	2,000,000 00
55 Michigan	150,000 00	.....	.....	.....	150,000 00
56 Delaware River.....	40,000 00	2,134 54	.....	2,586 78	44,721 32
57 Central Pacific (a) .....	.....	.....	.....	.....	.....
58 Northern New Hampshire.....	20,900 00	.....	.....	.....	20,900 00
59 Rodney and Fayette.....	1,500 00	288 00	.....	.....	1,788 00
60 Gold and Stock	3,938,203 62	8,618 26	416 00	401,304 76	4,348,542 04
61 Attakapas	3,000 00	.....	.....	.....	3,000 00
62 Wilkesbarre and Harvey's Lake.....	1,000 00	.....	.....	.....	1,000 00
63 Union Springs and Troy (b) .....	.....	.....	.....	.....	.....
64 Rising Sun (c) .....	.....	.....	.....	.....	.....
65 Taylorville and Susanville (c) .....	.....	.....	.....	.....	.....
66 Glen's Falls and Lake George.....	41,250 00	.....	.....	.....	1,250 00
67 Oregon Steam Navigation (c) .....	.....	.....	.....	.....	.....
68 Continental, Columbia, S. C. (c) .....	.....	.....	.....	.....	.....
69 Richmond, York River, and Chesapeake (c) .....	.....	.....	.....	.....	.....
70 Cairo and Saint Louis (c) .....	.....	.....	.....	.....	.....
71 Cumberland and Pennsylvania (c) .....	.....	.....	.....	.....	.....
72 McKean and Buffalo (c) .....	.....	.....	.....	.....	.....
73 Rhinebeck and Connecticut River (c) .....	.....	.....	.....	.....	.....
74 Detroit and Lansing (c) .....	.....	.....	.....	.....	.....
75 Northern New York (f) .....	.....	.....	.....	.....	.....
76 Black Diamond (f) .....	.....	.....	.....	.....	.....
77 Cheyenne and Black Hills	19,450 00	15 87	.....	61 77	19,527 14

^a Leased to the Western Union Telegraph Company.^b Report incomplete.^c Owned and operated by private individuals.

TELEGRAPHS.

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TABLE I.—GENERAL FINANCIAL EXHIBIT: 1880—Continued.

d Value.

e Owned and operated by railroad company.

f Not incorporated.

TELEGRAPHS.

TABLE II.—SERVICE ACCOUNT: 1880.

NOTE.—Twenty-seven of the seventy-seven companies make no report of the number of messages sent. Of these, four are operated by the Western Union Company, two are not in operation, two make no report, the Baltimore and Ohio is operated by the railroad company, and the Gold and Stock does not have a message business. The remaining seventeen companies, reporting an aggregate amount of \$410,737 54 receipts from messages, have kept no record of the number of messages sent. The receipts from these companies are only a little more than 2 per cent. of the total receipts from messages sent.

Name of company.	MESSAGES TRANSMITTED.			DESCRIPTION OF LINES.				AVERAGE NUMBER OF PERSONS EMPLOYED.					Average cost of poles delivered at distributing points. Dollars	
	Number for the press.	Number for other pur- ties.	Total.	Total length of lines. Miles.	Total miles of wire.	Number of stations or offices.	Principal terminus stations.	General office clerks.	Operators.	Messengers.	Line-repairers and other employés.	Total.		
Total	3,154,398	28,548,783	31,703,181	110,726 ¹³	201,212 ¹⁰	12,510	205	172	165	9,661	2,469	2,461	14,928	248,348
Alabama and Great Southern		11,472	11,472	305	-----	25	5	1	2	25	2	2	32	25
Altamaha	20	3,660	3,680	.34	34	2	2	1	-----	2	2	-----	5	60
American Rapid (a)				256	635	-----	-----	3	-----	-----	100	103	6,100	2 00
Atlantic and Pacific	137,593	1,040,126	1,177,719	6,634	10,191	317	6	7	10	232	117	138	504	-----
Ashtabula and Pittsburgh		4,915	4,915	63 ¹ ₂	63 ¹ ₂	14	2	-----	-----	14	-----	2	16	-----
American				80	85	13	2	7	-----	13	-----	1	21	-----
Baltimore and Ohio				2,058	11,553	415	13	3	3	330	57	125	518	25,327
Burlington and Missouri River		40,000	40,000	562	822	57	-----	-----	-----	88	6	-----	94	600
Bryant's Pond and Andover				21	21	3	2	-----	-----	3	-----	-----	3	50
Bar Harbor and Mount Desert		6,897	6,897	17	17	2	2	3	1	2	3	-----	9	-----
Bayou Sara and Woodville		4,132	4,132	30	32	3	2	-----	-----	2	-----	-----	2	50
Columbia and Greenville				390	300	620	-----	4	2	28	31	14	79	1,107
Central District and Printing				62	65	9	4	2	-----	9	-----	11	600	85
Cincinnati and Eastern	48	6,398	6,446	7	7	4	2	3	-----	4	-----	7	-----	50
Chester and Derry		650	650	-----	-----	-----	-----	-----	-----	4	-----	-----	-----	-----
Connecticut River		15,000	15,000	65	80	20	2	4	1	20	-----	1	26	50
Colusa Lake and Mendocino				180	180	20	3	1	-----	20	-----	-----	21	40
Camden		1,850	1,850	58	-----	2	2	-----	-----	1	-----	1	1	55
Deseret		33,352	33,352	955	1,130	59	9	3	1	50	1	4	68	1,200
Ellsworth and Deer Island				30	30	4	2	8	-----	4	4	-----	16	50
Ellsworth and Fremont		1,042	1,042	21	21	3	2	4	-----	3	-----	7	25	75
Fayetteville and Lumberton		3,536	3,536	33	33	2	2	2	-----	2	1	1	6	-----
Fountain City and Alma		2,000	2,000	30	30	4	2	1	-----	4	1	-----	6	-----
Frontier	213	4,923	5,136	248	250	13	3	1	-----	13	2	-----	.16	-----
Georgetown and Kingston (a)				45	45	2	2	2	-----	2	1	-----	5	1,250
Huntingdon and Broad Top Mt		1,053	1,053	52	52	10	2	-----	-----	10	-----	-----	10	90
Harrington and Jonesport		779	779	17	17	3	2	-----	-----	3	-----	3	1	50
Homer and Minden	28	920	948	20	20	2	2	-----	-----	2	-----	2	35	50
International Ocean	2,500	114,462	116,962	742 ¹ ₂	1,080	34	2	10	5	24	6	22	67	-----
Little Rock and Fort Smith				165	165	12	2	1	-----	12	2	1	16	1 50
Lehigh		13,100	13,100	135	199	64	6	6	1	70	3	6	86	1,600
Lake Mohonk		1,715	1,715	32 ¹ ₂	32 ¹ ₂	5	5	1	-----	4	-----	5	-----	-----
Lake Superior and Mineral Range	250	17,694	17,944	45	58	12	5	2	-----	12	3	-----	17	350
Montezuma	64	3,974	4,038	35	35	6	6	2	-----	6	2	-----	10	2 150
Middletown		270	270	8	8	2	2	-----	-----	2	-----	2	20	50
Mineral Point and Dodgeville	3	900	903	.8	.8	3	3	4	-----	3	-----	7	-----	-----
Montana Central	50	5,650	5,700	83	83	3	2	1	-----	3	-----	4	-----	-----
Marine		1,232	1,232	5 ¹ ₂	5 ¹ ₂	2	2	3	2	-----	3	-----	8	30
Millbridge and Cherryfield		808	808	5	5	2	2	2	-----	2	1	-----	4	1 00
Northwestern				6,849	11,616	657	7	8	6	750	125	20	909	30,000
Northwestern Ohio		7,716	7,716	83 ² ₃	82 ² ₃	12	2	-----	-----	19	-----	2	21	4,120
Paducah and Elizabethtown	63	3,405	3,468	186	186	19	2	-----	-----	20	-----	-----	20	-----
Providence and Pascoag		6,800	6,800	29	37	9	2	2	-----	7	2	-----	11	32
Pensacola	50	7,450	7,500	100	100	9	3	2	-----	9	2	-----	13	1 00
Philadelphia Local	13,000	685,000	698,000	425	425	110	2	3	4	47	15	41	110	113

a Not in operation.

TELEGRAPHS.

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TABLE II.—SERVICE ACCOUNT: 1880—Continued.

Name of company.	MESSAGES TRANSMITTED.			DESCRIPTION OF LINES.				AVERAGE NUMBER OF PERSONS EMPLOYED.				Number of poles set during the year.	Average cost of poles delivered at distributing points.		
	Number for the press.	Number for other par-ties.	Total.	Total length of lines. Miles.	Total miles of wire.	Number of stations or offices.	Principal terminus stations.	General officers.	General office clerks.	Operators.	Messengers.	Line-repairers and other employees.	Total.		
Philadelphia, Reading & Pottsville.	221,620	221,620		2,866	349	8	4	531	—	—	—	—	535	592	3 80
Pee Dee	20	952	972	45	45	4	2	4	—	—	—	—	10	25	40
Poughkeepsie, Hartford, & Boston.				45	46	10	2	—	—	10	—	—	10	—	—
Rumford Falls and Buckfield	1,200	1,200		37 $\frac{1}{2}$	37 $\frac{1}{2}$	4	2	—	—	4	—	—	4	350	40
Vermont International				120	250	22	3	4	—	22	1	—	27	—	—
Waterville				2 $\frac{1}{2}$	2 $\frac{1}{2}$	25	3	—	—	—	—	—	—	—	—
Western Union	a 23,000,000	a 26,215,509	29,215,509	85,645	233,534	9,077	—	13	a 100	a 7,090	a 2,000	a 1,487	a 10,800	168,056	1 02
Worcester and Nashua				46	91	10	2	—	—	—	—	—	—	—	—
Pacific and Atlantic				—	—	—	—	—	—	—	—	—	—	—	—
Michigan				967	980	—	—	3	—	—	—	—	3	—	—
Delaware River				104	222	3	3	4	—	—	—	—	4	—	—
Central Pacific				1,199	1,947	98	2	—	—	—	—	—	—	—	—
Northern New Hampshire				—	—	2	—	—	—	—	—	—	—	—	—
Rodney and Fayette	105	2,914	3,019	16	18	2	1	2	—	2	—	—	3	50	1 00
Gold and Stock				—	439	165	N. Y.	19	27	59	65	494	664	—	—
Attakapas	185	14,115	14,300	58	58	8	2	1	—	8	—	—	9	10	70
Wilkesbarro and Harvey's Lake		400	400	14	14	3	2	2	—	3	3	—	8	2	75
Union Springs and Troy		7,050	7,050	30	30	2	2	1	—	2	1	—	4	—	75
Rising Sun	115	998	1,113	8	8	2	2	—	—	2	—	—	2	7	60
Taylorville and Susanville	19	638	657	32	32	2	2	3	—	2	—	—	5	10	1 20
Glen's Falls and Lake George				20 $\frac{1}{2}$	20 $\frac{1}{2}$	3	2	2	—	3	—	—	5	—	—
Oregon Steam Navigation		8,040	8,040	280	280	11	2	—	—	11	2	—	13	3,113	1 48
Continental, Columbia, S. C.				196	196	16	5	—	—	16	2	—	18	400	60
Richmond, York R. and Chesap'ke				38 $\frac{1}{2}$	38 $\frac{1}{2}$	5	2	—	—	5	—	—	5	1,100	40
Cairo and Saint Louis				146	146	18	2	—	—	18	1	—	10	—	—
Cumberland and Pennsylvania				—	—	10	2	—	—	—	—	—	—	50	75
McKean and Buffalo		1,200	1,200	22 $\frac{1}{2}$	25	7	3	1	—	7	—	—	8	—	—
Rhinebeck and Connecticut River		25	25	43	43	3	3	1	—	8	—	—	9	—	50
Detroit and Lansing				200	205	40	3	—	—	40	4	—	44	800	30
Northern New York		5,663	5,663	30	38	7	3	—	—	7	—	—	7	—	—
Black Diamond		3,860	3,860	6	6	2	2	—	—	2	—	—	2	—	—
Cheyenne and Black Hills	72	11,718	11,790	255	255	8	3	—	—	8	1	—	9	871	1 05

^a Estimated.

TELEPHONES.

REMARKS.

It is of the first importance to remember, in consulting the following tables, that the census year 1879-'80 was the year in which the telephone business passed through the stages of an unprecedented development. At the beginning of that year this business amounted to little or nothing; at the end of the year it represented one of the great interests of the country. Neither the census nor any other statistical agency can deal in a wholly satisfactory manner with anything which is subject to rapid and violent changes.

The tables following exhibit 148 companies and private concerns, which aggregate 34,305 miles of wire, 54,819 receiving telephones, and 3,338 employés.

Of this aggregate number of companies 74 make a complete set of reports, as required by the Census Office, including assets, receipts, or financial exhibit, and equipment and service account and employés.

The 74 companies, etc., reporting assets have 26,764 miles of wire and 2,630 employés, while the 74 companies which omitted to give their assets have only 7,541 miles of wire and 708 employés.

There are 132 companies, with 32,734 miles of wire and 3,104 employés, which report receipts from messages sent, etc., leaving 16 companies, etc., with 1,571 miles of wire and 234 employés, which omitted to report receipts or finances. All the companies, etc., which made reports, namely 148, show equipment and service account, and nearly all report employés, the few exceptions being those cases in which owners attend to their telephone machinery and wire in person and do not hire attendants.

Besides those 148 companies, etc., which made reports, some companies and parties known to own telephone machinery and wire had been requested to send in statements of their business, etc., but none could be obtained, as those companies had either not fully organized or had not commenced operations; therefore the aggregates, as exhibited in general financial exhibit, balance-sheet, and service account, can only be taken as an approximation to the telephone business in the United States in 1880.

At the time when these statistics of the telephone business were collected some concerns were just in process of organization, and had as yet, although chartered, not opened business and regular accounts, and therefore no satisfactory data could be obtained from such.

The tables following, therefore, only exhibit such companies and concerns as made reports of either their capital invested (assets) or their general business.

The collection of these statistics has been with a view to exhibit the telephone business in 1880 as completely as circumstances allowed, and for the purpose of establishing a basis for the future taking of such statistics.

TELEPHONES.

TABLE I.—GENERAL FINANCIAL EXHIBIT: 1880.

	Name of company.	LOCATION.		Length of wire.	Receipts.	Expendi- tures.	Net income.	Divi- dends.	Surplus.	Deficits.
		City.	State.							
	Total.....			Miles. 32,784	Dollars. 3,098,081	Dollars. a 2,373,703	Dollars. 770,516	Dollars. 302,730	Dollars. 467,786	Dollars. 46,138
1	Allentown Telephone Exchange.....	Allentown.....	Pa.....	50	4,749	4,356	393	.....	393	.....
2	American Bell Telephone Company.....	Boston.....	Mass.....	1,250	605,184	339,426	265,758	178,500	87,258	.....
3	American Bell Telegraph Company of Fulton.....	Fulton.....	N. Y.....	8	597	445	152	.....	152	.....
4	American Bell Telegraph Exchange of Jamestown.....	Jamestown.....	N. Y.....	48	1,972	1,353	619	.....	619	.....
5	American District Telegraph Co. of Erie (limited).....	Erie.....	Pa.....	20	5,574	4,244	1,330	.....	1,330	.....
6	American District Telegraph Company.....	Syracuse.....	N. Y.....	206	18,000	13,945	.....	.....	.....	945
7	American District Telegraph Company of Utica.....	Utica.....	N. Y.....	160	17,770	11,974	5,796	.....	5,796	.....
8	American District Telegraph and Telephone Co.....	San José.....	Cal.....	15	3,900	1,800	2,100	.....	2,100	.....
9	Ames and Nevada Telephone Company.....	Nevada.....	Iowa.....	.....	.....	.....	.....	.....	.....	.....
10	Amsterdam Telegraph and Telephone Company.....	Amsterdam.....	N. Y.....	25	479	402	77	.....	77	.....
11	Anderson, T. B., Sedalia Telephone Exchange.....	Sedalia.....	Mo.....	40	3,600	2,300	1,300	.....	1,300	.....
12	Atchison Telephone Exchange Company.....	Atchison.....	Kans.....	45	4,000	3,458	547	.....	547	.....
13	Ayer Telephone Company.....	Ayer.....	Mass.....	.....	.....	.....	.....	.....	.....	.....
14	Balch & Root.....	Morrison.....	Ill.....	106	4,911	4,899	12	.....	12	.....
15	Batavia Telephone Exchange.....	Batavia.....	N. Y.....	30	1,126	1,086	40	.....	40	.....
16	Beatrice Electric Company.....	Beatrice.....	Nebr.....	4	646	569	77	.....	77	.....
17	Bell Telephone Company of Buffalo.....	Buffalo.....	N. Y.....	1,211	79,048	69,302	9,746	.....	9,746	.....
18	Bell Telephone Company of Illinois.....	Chicago.....	Ill.....	1,000	63,516	62,925	591	.....	591	.....
19	Bell Telephone Company of Madison.....	Madison.....	Wis.....	80	3,510	3,510	.....	.....	.....	.....
20	Bell Telephone Company of Missouri.....	Saint Louis.....	Mo.....	785	97,488	63,368	34,120	6,000	28,120	.....
21	Bell Telephone Company of Philadelphia.....	Philadelphia.....	Pa.....	1,442	168,516	108,024	65,492	63,840	1,652	.....
22	Black Hills Telephone Exchange Company.....	Deadwood.....	Dak.....	40	4,236	2,923	1,313	.....	1,313	.....
23	Bloomington Telephone Company.....	Bloomington.....	Ill.....	100	6,650	4,950	1,700	.....	1,700	.....
24	Boston and Northern Telephone Company.....	Salem.....	Mass.....	107	3,254	1,638	1,616	.....	1,616	.....
25	Bradford Telephone Company.....	Bradford.....	Pa.....	106	5,629	6,865	.....	.....	1,286	.....
26	Brockton Telephone Company.....	Brockton.....	Mass.....	50	3,769	2,910	859	.....	859	.....
27	Brookline Telephone Exchange.....	Brookline.....	Mass.....	45	3,362	3,362	.....	.....	.....	.....
28	Burlington District Telephone Company.....	Burlington.....	Vt.....	35	4,541	2,600	1,941	.....	1,941	.....
29	Catskill Telegraph and Telephone Company.....	Catskill.....	N. Y.....	60	409	306	163	.....	163	.....
30	Central District and Printing Telegraph Company.....	Bellaire.....	Ohio.....	10	1,545	692	853	.....	853	.....
31	Central District and Printing Telegraph Company.....	Pittsburgh.....	Pa.....	459	95,303	54,213	41,090	15,000	26,090	.....
32	Central District and Printing Telegraph Company.....	Wheeling.....	W. Va.....	87	9,098	8,828	5,270	.....	5,270	.....
33	Central Massachusetts Telephone Company.....	South Framingham.....	Mass.....	200	5,408	5,108	300	.....	300	.....
34	Central Pennsylvania Telephone and Supply Co.....	Williamsport.....	Pa.....	463	22,818	11,140	11,678	.....	11,678	.....
35	Central Telephone Company.....	Alton.....	Ill.....	287	10,375	14,553	.....	.....	4,178	.....
36	City and Suburban Telegraph Association.....	Cincinnati.....	Ohio.....	2,100	128,221	113,077	15,144	8,000	7,144	.....
37	Cheshire County Telephone Company.....	Keene.....	N. H.....	.....	.....	.....	.....	.....	.....	.....
38	Chippewa Valley Telegraph and Telephone Co.....	Eau Claire.....	Wis.....	140	6,246	5,637	609	.....	609	.....
39	Cleveland Telephone Company.....	Cleveland.....	Ohio.....	456	22,168	21,047	1,121	.....	1,121	.....
40	Clinton and Lyons Bell Telephone Company.....	Clinton.....	Iowa.....	207	6,250	6,927	.....	.....	677	.....
41	Colorado Telephone Company.....	Denver.....	Colo.....	700	75,925	57,747	18,178	18,000	178	.....
42	Columbia Telephone Exchange.....	Columbia.....	Pa.....	25	685	442	243	.....	243	.....
43	Columbus (Ind.) Telephone Exchange.....	Columbus.....	Ind.....	.....	.....	.....	.....	.....	.....	.....
44	Commercial Telephone Company.....	Albany.....	N. Y.....	1,000	48,173	47,478	695	.....	695	.....
45	Concord Telephone Exchange.....	Concord.....	N. H.....	43	2,000	2,040	.....	.....	40	.....
46	Connecticut Telephone Company.....	New Haven.....	Conn.....	1,500	60,500	6,365	54,135	.....	54,135	.....
47	Connersville Bell Telephone Company.....	Connersville.....	Ind.....	20	1,262	683	599	.....	599	.....
48	Corry Telephone Exchange.....	Corry.....	Pa.....	8	739	659	80	.....	80	.....
49	Council Bluffs Telephone Company.....	Council Bluffs.....	Iowa.....	18	3,593	2,912	681	.....	681	.....
50	Danbury Telephone Dispatch Company.....	Danbury.....	Conn.....	35	2,812	2,628	184	.....	184	.....

a Amount of expenses over receipts by some companies aggregates \$46,138 (see deficits).

TELEPHONES.

TABLE I.—GENERAL FINANCIAL EXHIBIT: 1880.

BALANCE-SHEET.								CAPITAL STOCK.			
Assets.				Liabilities.				Authorized by law or charter.		Total issued.	
Franchises.	Cash.	Bills and accounts receivable.	Total.	Capital stock.	Funded and other debt.	Profit and loss.	Total.	Number of shares.	Total common and preferred.	Number of shares.	Amount.
Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.
14,231,958	943,557	526,620	15,702,135	12,476,652	1,247,067	1,978,416	15,702,135	237,840	17,386,700	191,317½	13,358,720
3,046	232	3,278	1,600	1,678	3,278	1					
9,204,853	100,753	215,130	9,520,736	7,350,000	540,347	1,630,389	9,520,736	100,000	10,000,000	73,500	7,350,000
3,421	541	718	4,680	2,000	2,062	618	4,680	40	2,000	40	2,000
								80	4,000	80	4,000
19,985	2,944	22,929	2,000	20,929			22,929	400	2,000	400	2,000
11,861	2,254	6,305	20,420	20,000		420	20,420	200	20,000	200	20,000
5,100	427	52	5,579	5,100	402	77	5,579	51	5,100	51	5,100
14,500	400	300	15,200	15,000	200		15,200	300	30,000	300	15,000
33,500	2,820	36,320	36,000		320	36,320					
1,126		1,126		450	676	1,126					
1,860	1,860	1,700	160			1,860	20	2,000	17	1,700	16
307,250	4,147	5,696	317,093	300,000	7,346	9,747	317,093	300	300,000	300	300,000
151,321	10,468	5,758	167,547		167,547		167,547	2,000	200,000		
400,000	14,575	17,638	432,213	400,000	21,402	10,721	432,213	4,000	400,000	4,000	400,000
316,400		316,400					316,400	11,200	280,000	12,656	316,400
4,215	1,153	547	5,915	4,215		1,700	5,915				
10,000	178	21,438	31,616	30,000		1,616	31,616	300	30,000	300	30,000
17,100	294	385	17,779	15,350	1,570	859	17,779	170	17,000	153½	15,350
5,000			5,000				5,000				
2,000		2,000					2,000	200	2,000	200	2,000
500,000	25,123	967	526,090	500,000		26,090	526,090	5,000	500,000	5,000	500,000
								50	5,000	30	3,000
80,055	29,152	4,222	113,429	100,000	1,751	11,678	113,429	1,000	100,000	1,000	100,000
166,458	4,540	4,755	175,762	100,000	48,200	27,562	175,762	2,000	100,000	2,000	100,000
10,987	326	506	11,819	10,000	426	1,393	11,819	100	10,000	100	10,000
78,585	455	495	79,585	75,000	2,828	2,207	79,585	1,500	150,000	1,500	150,000
32,000	98	460	32,558	10,000	20,975	1,583	32,558	2,000	10,000	2,000	10,000
205,016	179	3,021	208,216	180,000	2,349	25,867	208,216	40,000	200,000	36,000	180,000
1,200	243	36	1,479	600	654	225	1,479				
61,802	695	3,380	65,877	50,000	15,000	877	65,877	500	50,000	500	50,000
162,000	3,297	11,163	176,460	125,000	36,212	15,248	176,460	8,000	200,000	5,000	125,000
3,602	156	2,870	6,628	5,000	947	681	6,628	50	5,000	50	5,000
2,898	3	47	2,948	2,000	522	426	2,948	400	10,000	80	2,000

TELEPHONES.

TABLE I.—GENERAL FINANCIAL EXHIBIT: 1880—Continued.

	Name of company.	LOCATION.		Length of wire, Miles.	Receipts. Dollars.	Expendi- tures. Dollars.	Net income. Dollars.	Divi- dends. Dollars.	Surplus. Dollars.	Deficits. Dollars.
		City.	State.							
51	Doboy and Union Island Telegraph Company	Darien	Ga.	10	94	35	59	59	59	59
52	Domestic Telegraph and Telephone Company	Newark	N. J.	476	25,652	16,186	9,466	9,466	9,466	9,466
53	Dunkirk Telephone Exchange	Dunkirk	N. Y.	25	1,374	1,209	75	75	75	75
54	Eastern Pennsylvania Telephone Exchange	Reading	Pa.	526	10,538	6,808	3,725	3,725	3,725	3,725
55	Easton Telephone Exchange	Easton	Pa.	20	1,200	4,600	—	—	—	3,400
56	East Tennessee Telephone Company	Chattanooga	Tenn.	185	18,956	6,232	12,724	1,240	11,484	—
57	Elmira Bell Telephone Exchange	Elmira	N. Y.	55	3,965	3,965	—	—	—	—
58	Evansville Telephone Exchange	Evansville	Ind.	120	10,528	24,679	—	—	—	14,156
59	Fishkill Telephone Company	Fishkill	N. Y.	22	1,494	1,214	280	280	280	—
60	Freeport Telephone Exchange Company	Freeport	Ill.	30	2,481	4,142	—	—	—	1,661
61	Fulton County Telephone Company	Gloversville	N. Y.	20	3,656	3,656	—	—	—	—
62	Galesburg Telephone Exchange	Galesburg	Ill.	10	8,000	7,000	1,000	1,000	1,000	—
63	Galion Telephone Exchange	Galion	Ohio	12	520	189	331	331	331	—
64	Glenwood Telephone Exchange Company	Glenwood	Iowa	10	1,520	1,445	75	75	75	—
65	Greenville Telephone Exchange	Greenville	Ohio	15	1,420	1,897	—	—	—	417
66	Hannibal Telephone Company	Hannibal	Mo.	80	5,564	4,351	1,213	1,213	1,213	—
67	Harrisburg Telephonic Exchange	Harrisburg	Pa.	—	—	—	—	—	—	—
68	Henderson Telephone Exchange	Henderson	Ky.	32	555	226	329	329	329	—
69	Hope Valley Telephone Company	Hope Valley	R. I.	9	230	206	24	24	24	—
70	Hot Springs Telephone Exchange	Hot Springs	Ark.	25	2,495	2,928	—	—	—	433
71	Hudson Telegraph and Telephone Company	Hudson	N. Y.	41	5,779	4,050	1,720	250	1,479	—
72	Inter-State Telephone Company	Providence	R. I.	400	699	1,155	—	—	—	456
73	Ithaca Telephone Exchange	Ithaca	N. Y.	30	2,661	1,716	945	945	945	—
74	Janesville Telephone Exchange	Janesville	Wis.	17	1,105	1,825	—	—	—	720
75	Johnson, L.	Vincennes	Ind.	—	—	—	—	—	—	—
76	Joliet Telephone Company	Joliet	Ill.	85	5,439	2,636	2,803	2,803	2,803	—
77	Lambertville Telephone Exchange	Lambertville	N. J.	—	—	—	—	—	—	—
78	Lancaster Bell Telephone Exchange	Lancaster	Penn.	—	—	—	—	—	—	—
79	Leadville Telephone Company	Leadville	Colo.	220	16,733	18,180	553	553	553	—
80	Leavenworth Telephone Exchange Company	Leavenworth	Kans.	175	5,000	3,697	1,303	1,303	1,303	—
81	Litchfield Telephone Company	Litchfield	Conn.	8	756	611	145	145	145	—
82	Little Rock Telephone Exchange	Little Rock	Ark.	65	7,786	7,245	541	541	541	—
83	Lowell District Telephone Company	Lowell	Mass.	1,500	57,899	52,801	5,098	5,098	5,098	—
84	Louisiana Telephone Company	New Orleans	La.	478	99,437	82,794	16,643	6,000	10,643	—
85	Manchester Telephone Exchange	Manchester	N. H.	165	9,060	6,050	3,010	3,010	3,010	—
86	Mansfield Telephone Exchange	Mansfield	Ohio	25	2,124	3,070	—	—	—	946
87	Marshalltown Telephone Company	Marshalltown	Iowa	42	2,735	2,135	600	600	600	—
88	Maryland Telephone Company	Baltimore	Md.	600	59,635	34,378	25,257	25,257	25,257	—
89	Mayfield, E. W.	Jacksonville	Ill.	35	2,880	1,816	1,064	1,064	1,064	—
90	Memphis Telephone Exchange	Memphis	Tenn.	120	14,841	15,945	—	—	—	1,104
91	Merchants' Telephone and Telegraph Company	Emporia	Mo.	—	—	—	—	—	—	—
92	Metropolitan Telephone and Telegraph Company	New York	N. Y.	4,973	540,292	518,845	21,447	21,447	21,447	—
93	Middletown Telephone Exchange	Middletown	Ohio	80	4,600	1,200	3,400	3,400	3,400	—
94	Milwaukee Telephone Exchange Company	Milwaukee	Wis.	537	44,979	35,927	9,052	9,052	9,052	—
95	Montana Agency	Fort Benton	Mont.	25	400	300	100	100	100	—
96	Montpelier Telephone Exchange	Montpelier	Vt.	—	—	—	—	—	—	—
97	Muncie Bell Telephone Company	Muncie	Ind.	15	2,385	1,765	620	620	620	—
98	Narragansett Pier Telegraph Exchange	Narragansett Pier	R. I.	15	945	590	355	300	55	—
99	Nashua Telephone Exchange	Nashua	N. H.	15	2,854	2,788	66	66	66	—
100	Nashville Telephone Exchange	Nashville	Tenn.	—	—	—	—	—	—	—
101	National Bell Telephone Company of Maine	Portland	Me.	230	28,555	20,938	7,617	7,617	7,617	—
102	National Capital Telephone Company	Washington	D. C.	211	24,000	28,000	—	—	—	4,000
103	Neenah Telephone Company	Neenah	Wis.	10	1,225	625	600	600	600	—
104	Newburgh Telephone Company	Newburgh	N. Y.	125	5,328	5,041	287	287	287	—
105	New London Telephone Company	New London	Conn.	60	5,511	5,947	—	—	—	436

TELEPHONES.

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TABLE I.—GENERAL FINANCIAL EXHIBIT: 1880—Continued.

BALANCE-SHEET.								CAPITAL STOCK.			
Assets.				Liabilities.				Authorized by law or charter.		Total issued.	
Franchises.	Cash.	Bills and accounts receivable.	Total.	Capital stock.	Funded and other debt.	Profit and loss.	Total.	Number of shares.	Total common and preferred.	Number of shares.	Amount.
Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.
1,800			1,800	1,731		69	1,800				51
50,796	1,737	5,472	58,005	44,225		18,780	58,005	1,000	a 100,000	457	45,700
2,643			2,643	2,500	68	75	2,643	25	2,500	25	2,500
65,823	902		66,725	50,000	18,000	3,725	66,725	2,000	50,000	2,000	50,000
4,600		250	4,850			4,850	4,850				55
59,082	1,451	1,224	62,657	49,000	932	12,725	62,657	800	80,000	490	49,000
								200	20,000	200	20,000
17,189	1,190	128	18,507	15,000	3,507		18,507	150	15,000	150	15,000
1,034	12	177	2,123	1,500	343	280	2,123	400	10,000	60	1,500
											60
2,390	91	268	2,749	2,500	249		2,749	50	5,000	50	2,500
											61
											62
700	75		775	700		75	775				63
											64
											65
7,189			7,189	6,500		689	7,189	200	10,000	130	6,500
											66
											67
											68
13,000			13,000	13,000		24	24				69
								1,040	26,000	520	13,000
5,772	84	643	6,499	5,000	290	1,209	6,499	200	5,000	200	5,000
31,970	364	1,666	34,000	34,000			34,000	1,000	100,000	340	34,000
8,809	109	105	4,023	2,100	978	945	4,023				72
862	1,280		2,142	2,000		142	2,142				73
											74
											75
											76
											77
											78
100,000	553	909	101,402	100,000	1,462		101,402	2,000	100,000	2,000	100,000
	173	13,464	13,637	7,300	500	-5,887	13,637				79
											80
											81
											82
187,000	5,466	17,918	211,284	200,000	641	10,643	211,284	2,500	250,000	2,500	250,000
								2,000	a 200,000	2,000	200,000
											83
											84
											85
											86
199,480	5,250	34,720	234,956	200,000	8,098	25,258	234,956	2,000	200,000	2,000	200,000
	156										87
											88
											89
											90
											91
481,250	662,835	112,003	1,256,088	1,000,000	284,641	21,447	1,256,088	10,000	1,000,000	10,000	1,000,000
											92
											93
417,177	1,242	2,406	420,825	400,000	7,079	13,746	420,825	8,000	400,000	8,000	400,000
											94
											95
											96
											97
											98
											99
											100
40,707	2,137	848	43,252	32,300	8,335	7,617	43,252	1,500	150,000	823	82,300
								2,000	200,000	2,000	200,000
											102
											103
											104
											105

a Preferred.

TELEPHONES.

TABLE I.—GENERAL FINANCIAL EXHIBIT: 1880—Continued.

	Name of company.	LOCATION.		Length of wire.	Receipts.	Expendi- tures.	Net income.	Divi- dends.	Surplus.	Deficits.
		City.	State.							
106	New Milford Bell Telephone Company	New Milford	Conn	Miles.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.
107	Northwestern Telephone Exchange Company	Minneapolis	Minn							
108	Ogden Telephone Exchange	Ogden City	Utah	38	2,717	5,012	.....	.....	.....	2,295
109	Omaha Electric Company	Omaha	Nebr	179	12,133	7,988	4,145	1,500	2,645	.....
110	Owensboro' Telephone Exchange	Owensboro'	Ky	58	3,557	1,690	1,867	.....	1,867	.....
111	Pacific Bell Telephone Company	San Francisco	Cal	565	36,354	29,196	7,158	.....	7,158	.....
112	Park City Telephone Exchange Company	Park City	Utah	12	360	290	70	.....	70	.....
113	Parmenter & Co	Wooster	Ohio	11	600	450	150	.....	150	.....
114	Peoria Bell Telephone Exchange	Peoria	Ill	100	10,000	7,300	2,700	.....	2,700	.....
115	Portland Teleph., Teleg., and Electric Light Co.	Portland	Oreg	100	8,127	6,765	1,362	.....	1,362	.....
116	Providence Telephone Company	Providence	R. I.	300	18,492	13,092	5,400	.....	5,400	.....
117	Rome Telephone Exchange	Rome	N. Y.	60	4,186	1,709	2,477	.....	2,477	.....
118	Rushville Bell Telephone Company	Rushville	Ind .....	.....	.....	.....	.....	.....	.....	.....
119	Rutland Telephone Exchange	Rutland	Vt	20	1,200	240	960	.....	960	.....
120	Scranton Bell Telephone Company	Scranton	Pa .....	.....	.....	.....	.....	.....	.....	.....
121	Shelby Telephone Company	Shelby	Ohio	2	216	110	106	.....	106	.....
122	Sidney Bell Telephone Company	Sidney	Ohio	22	1,364	1,335	29	.....	29	.....
123	Sioux City Telephone Exchange Company	Sioux City	Iowa	75	4,558	4,237	321	.....	321	.....
124	Southern Bell Telephone and Telegraph Company	Danville	Va	740	98,177	67,964	25,213	.....	25,213	.....
125	Southern Massachusetts Telegr. and Teleph. Co	New Bedford	Mass	500	40,000	35,700	4,300	1,350	2,950	.....
126	Southern New York Bell Telephone Company	Binghamton	N. Y.	35	3,273	5,583	.....	.....	.....	2,310
127	Southern Ohio Telephone Exchange Company	Ironton	Ohio	111	13,121	12,947	174	.....	174	.....
128	Southern Worcester Telephone Company	Southbridge	Mass	25	2,809	1,799	510	.....	510	.....
129	Springfield Telephone Company	Springfield	Mass	125	19,988	17,767	2,221	1,500	721	.....
130	Stamford and Norwalk Telegraph Company	Stamford	Conn	85	14,805	14,222	563	.....	583	.....
131	Saint Joseph Telephone Exchange Company	Saint Joseph	Mo	225	8,856	7,260	1,596	1,250	346	.....
132	Saint Johnsbury Telephone Exchange	Saint Johnsbury	Vt	7	518	340	178	.....	178	.....
133	Stafford Telephone Company	Stafford Springs	Conn	13	515	548	.....	.....	33	.....
134	Stenben Bell Telephone Company	Corning	N. Y.	50	1,180	4,939	.....	.....	3,750	.....
135	Telephone Dispatch Company	Haverhill	Mass	1,250	3,594	5,934	.....	.....	2,340	.....
136	Telephone and Telegraph Construction Company	Detroit	Mich	711	78,360	50,787	22,573	.....	22,573	.....
137	Topeka Telephone Company	Topeka	Kans	80	5,550	4,960	590	.....	590	.....
138	Union Telephone Exchange	Norwalk	Ohio	25	820	765	55	.....	55	.....
139	Vergennes Telephone Exchange	Vergennes	Vt	2	165	90	75	.....	75	.....
140	Warren Telephone Exchange	Warren	Pa	25	1,223	898	330	.....	330	.....
141	Watertown Telephone Company	Watertown	N. Y.	15	5,049	4,052	997	.....	997	.....
142	Waterbury Automatic Signal Telegraph Company	Waterbury	Conn	117	11,605	12,201	.....	.....	.....	596
143	Western Telephone Company	Chicago	Ill .....	.....	.....	.....	.....	.....	.....	.....
144	Western Massachusetts Telephone Company	Pittsfield	Mass .....	.....	.....	.....	.....	.....	.....	.....
145	Wilkesbarre Telephone Exchange	Wilkesbarre	Pa	98	10,853	7,435	3,418	.....	3,418	.....
146	Wilmington Bell Telephone Exchange	Wilmington	Del	108	7,859	7,319	540	.....	540	.....
147	Winsted Telephone Exchange	Winsted	Conn	10	1,362	433	929	.....	929	.....
148	Winter Brothers' Telephone Exchange	Kingston	N. Y.	13	1,828	1,532	296	296

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TABLE I.—GENERAL FINANCIAL EXHIBIT: 1880—Continued.

BALANCE-SHEET.								CAPITAL STOCK.			
Assets.				Liabilities.				Authorized by law or charter.		Total issued.	
Franchises.	Cash.	Bills and accounts receivable.	Total.	Capital stock.	Funded and other debt.	Profit and loss.	Total.	Number of shares.	Total common and preferred.	Number of shares.	Amount.
Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.		Dollars.		Dollars.
											106
											107
27,830	1,350	3,664	32,844	25,000	1,583	6,261	32,844	120	12,000	120	12,000
5,117	132	168	5,417	2,500	1,050	1,867	5,417	250	25,000	250	25,000
62,088	—	9,527	71,615	50,000	14,457	7,158	71,615	200	29,000	25	2,500
								1,000	100,000	1,000	100,000
											111
											112
											113
											114
36,763	137	—	36,900	30,000	6,900	—	36,900	300	30,000	300	30,000
								2,000	a 100,000	1,500	75,000
											115
											116
											117
											118
											119
											120
216	—	—	216	100	—	116	216	—	—	—	121
											122
											123
303,280	23,965	1,838	329,088	297,000	6,870	25,213	329,088	10,000	a 1,000,000	2,970	297,000
65,000	1,200	400	66,600	45,000	16,600	5,000	66,600	600	a 60,000	450	45,000
7,083	568	184	7,785	6,000	1,611	174	7,785	250	250,000	250	250,000
											126
											127
											128
28,061	2,063	146	30,270	30,000	270	—	30,270	800	30,000	800	30,000
	14,805	98	14,903	10,000	—	4,903	14,903	800	20,000	400	10,000
27,751	346	1,903	30,000	25,000	5,000	—	30,000	250	25,000	250	25,000
											131
1,744	400	556	2,700	1,600	585	515	2,700	64	1,600	64	1,600
								200	20,000	200	20,000
											132
135,773	1,678	3,511	140,962	100,000	18,389	22,573	140,962	4,000	100,000	4,080	100,000
											136
1,770	—	200	1,970	1,970	—	—	1,970	80	8,000	80	1,970
											137
											138
											139
											140
2,308	1,159	171	3,638	2,500	1,095	43	3,638	—	—	—	141
12,000	8	600	12,608	7,500	4,500	608	12,608	300	7,500	300	7,500
											142
											143
											144
											145
											146
1,000	296	118	1,414	—	165	1,249	1,414	—	—	—	147
											148

a Preferred.

TELEPHONES.

TABLE II.—SERVICE ACCOUNT: 1880.

Name of company.	Number of circuits.	Miles of wire.	Number of central offices.	Number of exchanges included in report.	Number of subscribers' stations.	Number of receiving telephones in use.	Number of battery transmitters in use.	Number of calls—open circuit battery.	Number of cells—closed circuit battery.	Number of persons employed.
Total	32,922	34,305	89	348	48,414	54,919	52,198	48,098	15,572	3,838
Allentown Telephone Exchange	43	50	.....	1	78	79	79	79	2	0
American Bell Telephone Company	1,039	1,250	.....	1	1,214	1,300	1,300	1,500	200	.....
American Bell Telegraph Company of Fulton	23	8	.....	1	81	31	24	24	3	.....
American Bell Telegraph Exchange of Jamestown	76	48	1	3	123	117	112	124	3	9
American District Telegraph Co. of Erie (limited)	72	20	.....	1	173	152	151	110	68	16
American District Telegraph Company	430	206	1	2	619	619	605	800	500	30
American District Telegraph Company of Utica	340	160	.....	1	355	358	355	800	75	24
American District Telegraph and Telephone Co	5	15	1	1	100	.....	75	75	.....	8
Ames and Nevada Telephone Company .....	.....	18	1	3	41	41	35	.....	.....	8
Amsterdam Telegraph and Telephone Company	61	25	.....	1	61	62	62	63	.....	5
Anderson, T. B., Sedalia Telephone Exchange	63	40	1	1	107	108	100	110	.....	3
Atchison Telephone Exchange Company	101	45	.....	1	104	108	108	108	2	5
Ayer Telephone Company .....	.....	37	.....	1	36	34	30	32	.....	6
Balch & Root	130	106	.....	3	135	135	128	.....	123	10
Batavia Telephone Exchange	38	30	.....	1	39	42	42	42	2	3
Beatrice Electric Company	15	4	.....	1	33	34	34	34	.....	3
Bell Telephone Company of Buffalo	950	1,211	1	10	1,605	1,650	1,550	1,800	1,000	125
Bell Telephone Company of Illinois	1,200	1,000	1	9	1,200	1,350	1,350	1,350	500	235
Bell Telephone Company of Madison	94	80	.....	1	94	94	70	70	.....	3
Bell Telephone Company of Missouri	1,017	785	1	6	981	1,067	1,023	1,109	165	123
Bell Telephone Company of Philadelphia	1,139	1,442	8	.....	1,608	3,075	3,014	3,000	15	113
Black Hills Telephone Exchange Company	65	40	1	3	70	70	70	70	6	3
Bloomington Telephone Company	175	100	1	1	180	180	180	250	50	5
Boston and Northern Telephone Company .....	.....	107	1	12	.....	8	8	.....	.....	10
Bradford Telephone Company	85	100	1	2	160	162	162	200	6	7
Brockton Telephone Company	28	50	.....	1	140	161	106	50	200	4
Brookline Telephone Exchange	50	45	.....	1	70	72	72	110	2	6
Burlington District Telephone Company	60	35	.....	1	170	172	117	140	150	.....
Catskill Telegraph and Telephone Company	32	60	.....	1	42	42	27	31	.....	6
Central District and Printing Telegraph Company	67	19	.....	2	67	69	69	67	4	2
Central District and Printing Telegraph Company	808	459	1	4	938	1,350	1,321	1,400	754	105
Central District and Printing Telegraph Company	242	87	.....	1	261	265	265	261	23	9
Central Massachusetts Telephone Company	61	200	1	5	169	257	225	.....	.....	20
Central Pennsylvania Telephone and Supply Co	326	463	1	14	718	359	359	350	26	55
Central Telephone Company	140	267	2	8	672	673	673	502	.....	23
City and Suburban Telegraph Association .....	.....	2,100	1	7	1,600	1,600	1,600	1,000	361	90
Cheshire County Telephone Company	30	40	.....	1	65	70	70	70	.....	5
Chippewa Valley Telegraph and Telephone Co	101	140	1	2	109	126	124	124	8	9
Cleveland Telephone Company	518	456	.....	1	522	543	538	522	52	31
Clinton and Lyons Bell Telephone Company	132	207	.....	1	237	237	208	.....	.....	10
Colorado Telephone Company	900	700	1	7	964	964	960	.....	.....	55
Columbia Telephone Exchange	14	25	.....	1	29	30	30	20	1	4
Columbus, Indiana, Telephone Exchange .....	.....	53	1	2	76	84	61	8	58	7
Commercial Telephone Company	900	1,000	1	3	1,050	1,486	1,365	1,500	100	99
Concord Telephone Exchange	58	43	.....	1	95	98	96	95	4	5
Connecticut Telephone Company	452	1,500	1	6	1,528	1,600	1,600	550	.....	52
Connersville Bell Telephone Company	45	20	.....	1	45	45	45	.....	45	1
Corry Telephone Exchange	16	8	.....	1	31	32	23	30	.....	3
Council Bluffs Telephone Company	34	18	1	67	70	70	67	7	5
Danbury Telephone Dispatch Company	25	35	1	103	106	66	3	244	7

TELEPHONES.

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TABLE II.—SERVICE ACCOUNT: 1880—Continued.

Name of company.	Number of circuits.	Miles of wire.	Number of central offices.	Number of exchanges included in report.	Number of subscribers' stations.	Number of receiving telephones in use.	Number of battery transmitters in use.	Number of cells—open circuit battery.	Number of cells—closed circuit battery.	Number of persons employed.
Doboy and Union Island Telegraph Company.....		10				3				
Domestic Telegraph and Telephone Company.....	470			1	422	422	422			51
Dunkirk Telephone Exchange.....	48	25		1	80	80	80	80		7
Eastern Pennsylvania Telephone Exchange.....	311	526	1	4	402	410	410	410	8	15
Easton Telephone Exchange.....	54	20	1	1	58	58	55	51	4	7
East Tennessee Telephone Company	381	185	1	5	422	436	431			29
Elmira Bell Telephone Exchange.....	75	55		1	165	167	165	200		11
Evansville Telephone Exchange.....	281	120	1	1	231	240	235			12
Fishkill Telephone Company	25	22	1	1		55	55	16	59	4
Freeport Telephone Exchange Company.....	56	30		1	56	56	56	56		6
Fulton County Telephone Company		20	1	6	40	46	46	46		5
Galesburg Telephone Exchange	23	10	1	1	23	24	24	24		2
Galion Telephone Exchange	45	12		1	49	51	10		10	3
Glenwood Telephone Exchange Company.....	20	10		1	20	21	21	30	20	6
Greenville Telephone Exchange.....		15		1	44	47	46	46		2
Hannibal Telephone Company.....	62	80	1	1	122	122	122	150		8
Harrisburg Telephonic Exchange.....	43	45		1	126	126	126	112	14	10
Henderson Telephone Exchange.....	47	32		1	46	47	47	47		1
Hope Valley Telephone Company.....	3	9		1	6	6	2	2		2
Hot Springs Telephone Exchange	75	25		1	75	75	75		5	7
Hudson Telegraph and Telephone Company.....	170	41		1		192	142		142	6
Inter-State Telephone Company	7	400	1	7		6	3	3		6
Ithaca Telephone Exchange	55	30		1	112	114	28	35		5
Janesville Telephone Exchange	46	17		1	51	51	31		3	3
Johnson, L	63	30	1	4	63	185				14
Joliet Telephone Company	96	85		1	124	127	116	15		6
Lambertville Telephone Exchange	11	5		1	18	18	18	18		5
Lancaster Bell Telephone Exchange.....	32	18								3
Leadville Telephone Company	276	220		1	276	279	279	280		9
Leavenworth Telephone Exchange Company.....		175	1	2	175	175	175	175		6
Litchfield Telephone Company		8		1						8
Little Rock Telephone Exchange.....	152	65		1	188	188	188	322	125	7
Lowell District Telephone Company	600	1,500	1	6	1,600	1,500	1,500	4,000	1,000	52
Louisiana Telephone Company	845	478	1	3	813	829	829	813	16	30
Manchester Telephone Exchange	225	165		1	300	300	300			9
Mansfield Telephone Exchange	38	25		1	50	50	50	48	2	5
Marshalltown Telephone Company	110	42		1	110	115	115	175	23	5
Maryland Telephone Company	350	600		1	850	1,183	1,081	1,100	1,200	82
Mayfield, E. W	83	35		1	85	86	85	86	10	3
Memphis Telephone Exchange	275	120	1	1	310	310	310		320	14
Merchants' Telephone and Telegraph Company.....	90	55	1	3	95	98	98	98		12
Metropolitan Telephone and Telegraph Company	4,130	4,973	1	17	5,102	6,820	6,787	5,300	3,600	544
Middletown Telephone Exchange		80		1	90	90	90			9
Milwaukee Telephone Exchange Company	537	537		1	566	586	566	600		24
Montana Agency	17	25	1	1		34	2		10	
Montpelier Telephone Exchange		52		1	52	52	16	12		2
Muncie Bell Telephone Company	45	15		1	61	61	61	61	1	7
Narragansett Pier Telegraph Exchange	14	15	1	2	30	30	11	15		4
Nashua Telephone Exchange	44	15		1	67	69	66	2	64	3
Nashville Telephone Exchange	56	51		1	124	128	96	96	47	
National Bell Telephone Company of Maine.....	540	230	1	6	845	1,071	1,027	1,052	130	48
National Capital Telephone Company	190	211	1	1	568	600	600	600	500	56
Neenah Telephone Company	25	10		1	25	25	25			1
Newburgh Telephone Company	134	125		1		175	175	202	205	6
New London Telephone Company	50	60	1	2	165	169	165	161	161	11

TELEPHONES.

TABLE II.—SERVICE ACCOUNT: 1880—Continued.

Name of company.	Number of circuits.	Miles of wire.	Number of central offices.	Number of exchanges included in report.	Number of subscribers' stations.	Number of receiving telephones in use.	Number of battery transmitters in use.	Number of cells—open circuit battery.	Number of cells—closed circuit battery.	Number of persons employed.
New Milford Bell Telephone Company	9	35		1	45	45	10	150		
Northwestern Telephone Exchange Company	657		2	4	1,127	1,127	1,098			40
Ogden Telephone Exchange	40	38		1	98	93	93			3
Omaha Electric Company	245	179		1	818	328	328	328	50	12
Owensboro Telephone Exchange	115	58		1	121	124	124	121	3	6
Pacific Bell Telephone Company	881	565	1	7	1,080	1,093	1,070	2,088	2	53
Park City Telephone Exchange Company	14	12		1		50	50			3
Parmenter & Co	40	11		1	40	40	40			2
Peoria Bell Telephone Exchange	200	100	1	3	200	203	203	200	6	11
Portland Telephone, Telegraph, and Elec. Lt. Co.	4	100		1	156	164			38	10
Providence Telephone Company	375	300	1	6	800	825	825	250	500	40
Rome Telephone Exchange	77	60		1	156	156	60	60		
Rushville Bell Telephone Company	41	28		1	41	41	41	41		
Rutland Telephone Exchange	24	20		1	45	45	45	45	100	2
Scranton Bell Telephone Company	100	114		1	240	240	240	250	15	
Shelby Telephone Company	2	2		1	5	7	7	7	7	4
Sidney Bell Telephone Company	25	22		1	40	40				5
Sionx City Telephone Exchange Company	100	75		1			100			4
Southern Bell Telephone and Telegraph Company	1,472	740	1	20	1,539	1,699	1,677	1,600	500	126
Southern Massachusetts Telegraph and Teleph. Co.	320	500	1	8	1,000	1,200	1,100	700		36
Southern New York Bell Telephone Company	50	35		1	135	138	138	200		10
Southern Ohio Telephone Exchange Company	188	111	1	2	215	215	215	215	18	9
Southern Worcester Telephone Company	18	25		1	75	75	68	68		2
Springfield Telephone Company	165	125		2	655	700	675	675	625	15
Stamford and Norwalk Telegraph Company	75	85	1	2	225	225	220	220	4	10
Saint Joseph Telephone Exchange Company	167	225	1	2	198	198	198	198		7
Saint Johnsbury Telephone Exchange	20	7		1	31	39	14	14	4	1
Stafford Telephone Company		13		1	28	29	22	1	21	2
Steuben Bell Telephone Company	40	50	1	4	110	120	100	100		15
Telephone Dispatch Company	40	1,250		1	125	125	100	100	200	9
Telephone and Telegraph Construction Company	1,128	711	1	11	1,405	1,433	1,433	1,433	400	151
Topeka Telephone Company	135	80		1	155	158	158	155	3	6
Union Telephone Exchange	39	25		1	39	39	39	39		6
Vergennes Telephone Exchange	1	2		1	9	9	4	4		
Warren Telephone Exchange	32	25		1	65	70	70	70		3
Watertown Telephone Company	87	15		1	105	105	99	99		5
Waterbury Automatic Signal Telegraph Company	52	117		1	200	220	100	125	350	7
Western Telephone Company	2,482	827	17	2,482	2,482	2,500	2,500	2,500	200	102
Western Massachusetts Telephone Company	200	240	5	4	527	527	527			20
Wilkesbarre Telephone Exchange	110	98		1	124	126	126	126	3	19
Wilmington Bell Telephone Exchange	86	108		1	98				10	5
Winsted Telephone Exchange	17	10		1	80	81	24	50		3
Winter Brothers' Telephone Exchange	42	18	1	2	70	72	72	72		3

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